SEQUENCE LISTING

<110> CUNNINGHAM, Melissa M.
      STULL, Paul D.
      WEISBURG, William G.

<120> COMPOSITIONS, METHODS AND KITS FOR DETERMINING THE PRESENCE OF CRYPTOSPORID
IUM ORGANISMS IN A TEST SAMPLE

<130> GP116-02.UT

<140> To be assigned
<141> 2001-09-11

<150> US 60/232,028
<151> 2000-09-12

<160> 69

<170> PatentIn version 3.1

<210> 1
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 1
ctatcagctt tagacggtag gg   22

<210> 2
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 2
cuaucagcuu uagacgguag gg   22

<210> 3
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 3
ccctaccgtc taaagctgat ag   22

<210> 4
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 4
cccuaccguc uaaagcugau ag   22

```
<210>  5
<211>  27
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  5
gcgaaaaaac tcgactttat ggaaggg                              27


<210>  6
<211>  20
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  6
aactcgactt tatggaaggg                                      20


<210>  7
<211>  25
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  7
aaaactcgac tttatggaag ggttg                                25


<210>  8
<211>  25
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  8
gttaaagaca aactaatgcg aaagc                                25


<210>  9
<211>  27
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  9
gcgaaaaaac ucgacuuuau ggaaggg                              27


<210>  10
<211>  20
<212>  RNA
<213>  Artificial Sequence
```

```
<220>
<223>  Synthetic Construct

<400>  10
aacucgacuu uauggaaggg                                          20


<210>  11
<211>  25
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  11
aaaacucgac uuuauggaag gguug                                    25


<210>  12
<211>  25
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  12
guuaaagaca aacuaaugcg aaagc                                    25


<210>  13
<211>  27
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  13
cccttccata aagtcgagtt ttttcgc                                  27


<210>  14
<211>  20
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  14
cccttccata aagtcgagtt                                          20


<210>  15
<211>  25
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  15
caacccttcc ataaagtcga gtttt                                    25
```

```
<210>  16
<211>  25
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  16
gctttcgcat tagtttgtct ttaac                                    25


<210>  17
<211>  27
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  17
cccuuccaua aagucgaguu uuuucgc                                  27


<210>  18
<211>  20
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  18
cccuuccaua aagucgaguu                                          20


<210>  19
<211>  25
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  19
caacccuucc auaaagucga guuuu                                    25


<210>  20
<211>  25
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  20
gcuuucgcau uaguuugucu uuaac                                    25


<210>  21
<211>  23
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct
```

```
<400>  21
gacatatcat tcaagtttct gac                                    23


<210>  22
<211>  24
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  22
ttggcctacc gtggcaatga cggg                                   24


<210>  23
<211>  23
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  23
gacauaucau ucaaguuucu gac                                    23


<210>  24
<211>  24
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  24
uuggccuacc guggcaauga cggg                                   24


<210>  25
<211>  23
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  25
gtcagaaact tgaatgatat gtc                                    23


<210>  26
<211>  24
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  26
cccgtcattg ccacggtagg ccaa                                   24


<210>  27
<211>  23
```

<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 27
gucagaaacu ugaaugauau guc   23

<210> 28
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 28
cccgucauug ccacgguagg ccaa   24

<210> 29
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 29
ggataaccgt ggtaattcta gagctaatac at   32

<210> 30
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 30
ccgtggtaat tctagagcta atacat   26

<210> 31
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 31
ttgtatttat tagataaaga acc   23

<210> 32
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 32

```
ttgtatttat tagataaaga accaatata                                    29


<210> 33
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 33
ggauaaccgu gguaauucua gagcuaauac au                                32


<210> 34
<211> 26
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 34
ccgugguaau ucuagagcua auacau                                       26


<210> 35
<211> 23
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 35
uuguauuuau uagauaaaga acc                                          23


<210> 36
<211> 29
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 36
uuguauuuau uagauaaaga accaauaua                                    29


<210> 37
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 37
atgtattagc tctagaatta ccacggttat cc                                32


<210> 38
<211> 26
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223>  Synthetic Construct

<400>  38
atgtattagc tctagaatta ccacgg                                    26


<210>  39
<211>  23
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  39
ggttctttat ctaataaata caa                                       23


<210>  40
<211>  29
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  40
tatattggtt ctttatctaa taaatacaa                                 29


<210>  41
<211>  32
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  41
auguauuagc ucuagaauua ccacgguuau cc                             32


<210>  42
<211>  26
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  42
auguauuagc ucuagaauua ccacgg                                    26


<210>  43
<211>  23
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  43
gguucuuuau cuaauaaaua caa                                        23
```

```
<210>  44
<211>  29
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  44
uauauugguu cuuuaucuaa uaaauacaa                                      29


<210>  45
<211>  23
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  45
gccatgcatg tctaagtata aac                                           23


<210>  46
<211>  23
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  46
ggataaccgt ggtaattcta gag                                           23


<210>  47
<211>  23
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  47
ggtgactcat aataacttta cgg                                           23


<210>  48
<211>  22
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  48
ctaccacatc taaggaaggc ag                                            22


<210>  49
<211>  20
<212>  DNA
<213>  Artificial Sequence

<220>
```

<223> Synthetic Construct

<400> 49
gtatttaaca gtcagaggtg   20

<210> 50
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 50
gccaaggatg ttttcattaa tc   22

<210> 51
<211> 23
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 51
gccaugcaug ucuaaguaua aac   23

<210> 52
<211> 23
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 52
ggauaaccgu gguaauucua gag   23

<210> 53
<211> 23
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 53
ggugacucau aauaacuuua cgg   23

<210> 54
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 54
cuaccacauc uaaggaaggc ag   22

<210> 55

```
        <211>  20
        <212>  RNA
        <213>  Artificial Sequence

        <220>
        <223>  Synthetic Construct

        <400>  55
        guauuuaaca gucagaggug                                        20


        <210>  56
        <211>  22
        <212>  RNA
        <213>  Artificial Sequence

        <220>
        <223>  Synthetic Construct

        <400>  56
        gccaaggaug uuuucauuaa uc                                     22


        <210>  57
        <211>  23
        <212>  DNA
        <213>  Artificial Sequence

        <220>
        <223>  Synthetic Construct

        <400>  57
        gtttatactt agacatgcat ggc                                    23


        <210>  58
        <211>  23
        <212>  DNA
        <213>  Artificial Sequence

        <220>
        <223>  Synthetic Construct

        <400>  58
        ctctagaatt accacggtta tcc                                    23


        <210>  59
        <211>  23
        <212>  DNA
        <213>  Artificial Sequence

        <220>
        <223>  Synthetic Construct

        <400>  59
        ccgtaaagtt attatgagtc acc                                    23


        <210>  60
        <211>  22
        <212>  DNA
        <213>  Artificial Sequence

        <220>
        <223>  Synthetic Construct
```

```
<400>  60
ctgccttcct tagatgtggt ag                                        22


<210>  61
<211>  20
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  61
cacctctgac tgttaaatac                                           20


<210>  62
<211>  22
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  62
gattaatgaa aacatccttg gc                                        22


<210>  63
<211>  23
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  63
guuuauacuu agacaugcau ggc                                       23


<210>  64
<211>  23
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  64
cucuagaauu accacgguua ucc                                       23


<210>  65
<211>  23
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  65
ccguaaaguu auuaugaguc acc                                       23


<210>  66
<211>  22
<212>  RNA
```

<210> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 66
cugccuuccu uagauguggu ag   22

<210> 67
<211> 20
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 67
caccucugac uguuaaauac   20

<210> 68
<211> 22
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 68
gauuaaugaa aacauccuug gc   22

<210> 69
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct (T7 Promoter)

<400> 69
aatttaatac gactcactat agggaga   27